



Patent
Attorney Docket No. 005950-833

IFW

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Amendment

In re Patent Application of

Shenggao Liu et al.

Application No.: 10/622,046

Filing Date: July 16, 2003

Title: HETEROATOM-CONTAINING DIAMONDOID TRANSISTORS

Group Art Unit: 2811

Examiner: ORI NADAV

Confirmation No.: 2268

AMENDMENT/REPLY TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a reply for the above-identified patent application.

☐ A Petition for Extension of Time is also enclosed.

☐ Terminal Disclaimer(s) and the ☐ \$65.00 (2814) ☐ \$130.00 (1814) fee per
Disclaimer due under 37 C.F.R. § 1.20(d) are also enclosed.

☐ Also enclosed is/are _____

☐ Small entity status is hereby claimed.

☐ Applicant(s) requests continued examination under 37 C.F.R. § 1.114 and enclose the
☐ \$395.00 (2801) ☐ \$790.00 (1801) fee due under 37 C.F.R. § 1.17(e).

☐ Applicant(s) requests that any previously unentered after final amendments not be entered.
Continued examination is requested based on the enclosed documents identified above.

☐ Applicant(s) previously submitted _____

_____ on _____
for which continued examination is requested.

☐ Applicant(s) requests suspension of action by the Office until at least _____,
which does not exceed three months from the filing of this RCE, in accordance with 37 C.F.R.
§ 1.103(c). The required fee under 37 C.F.R. § 1.17(i) is enclosed.

☐ A Request for Entry and Consideration of Submission under 37 C.F.R. § 1.129(a) (1809/2809) is also
enclosed.

Buchanan Ingersoll PC
ATTORNEYS

Including attorneys from Burns Doane Swecker & Mathis

Page 1 of 2
(8/05)

- ☒ No additional claim fee is required.
- ☐ An additional claim fee is required, and is calculated as shown below.

AMENDED CLAIMS					
	No. of Claims	Highest No. of Claims Previously Paid For	Extra Claims	Rate	Additional Fee
Total Claims	38	MINUS 42 =	0	x \$50.00 (1202) =	\$ 0.00
Independent Claims	5	MINUS 9 =	0	x \$200.00 (1201) =	\$ 0.00
If Amendment adds multiple dependent claims, add \$360.00 (1203)					
Total Claim Amendment Fee					\$ 0.00
<input type="checkbox"/> Small Entity Status claimed - subtract 50% of Total Claim Amendment Fee					\$ 0.00
TOTAL ADDITIONAL CLAIM FEE DUE FOR THIS AMENDMENT					\$ 0.00

- ☐ A check in the amount of _____ is enclosed for the fee due.
- ☐ Charge _____ to Deposit Account No. 02-4800.
- ☐ Charge _____ to credit card. Form PTO-2038 is attached.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17, 1.20(d) and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

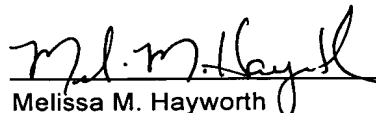
Respectfully submitted,

BUCHANAN INGERSOLL PC

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Date: September 19, 2005

By



Melissa M. Hayworth
Registration No. 45,774



Patent
Attorney's Docket No. 005950-833

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)	
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Shenggao Liu et al.)	Group Art Unit: 2811
)	
Application No.: 10/622,046)	Examiner: Nadav, Ori
)	
Filed: July 16, 2003)	Confirmation No.: 2268
)	
For: Heteroatom-containing diamondoid)	
transistors)	

RESPONSE UNDER 37 C.F.R. § 1.111

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In complete response to the Office Action dated June 21, 2005, Applicants submit the following response.

Amendments to the Claims are reflected in the listing of claims, which begins on page 2 of this Response.

Remarks begin on page 8 of this Response.